Amendments to the specification:

Please amend the paragraphs beginning at page 17, line 1 through page 22, line 35 as follows:

--

A denotes unbranched, branched or <u>cyclic</u> eylie alkyl having 1-12 C atoms, in which one or two CH₂ groups may be replaced by O or S atoms and/or by -CH=CH- groups and/or in addition 1-7 H atoms may be replaced by F,

Hal denotes F, Cl, Br or I,

n denotes 0, 1 or 2,

m denotes 0, 1, 2, 3 or 4,

and salts thereof.

The intermediate compounds are important for the preparation of the compounds of the formula I.

The preferred meanings of the radicals correspond to those as indicated above, unless expressly stated otherwise.

The invention also relates to the intermediate compounds in which

R¹ denotes NO₂ or CN,

R² denotes H, Hal or A,

and salts thereof.

Preference is furthermore given to intermediate compounds in which

R¹ denotes NO₂ or CN,

R² denotes H, Hal or A,

 R^3 denotes H, A, $-[C(R^5)_2]_n$ -Ar or $-[C(R^5)_2]_n$ -Het,

and salts thereof.

Preference is furthermore given to intermediate compounds in which Ar denotes phenyl,

and salts thereof.

Preference is furthermore given to intermediate compounds according to one or more of Claims 15-18 in which

R⁴ denotes A, and salts thereof.

Particular preference is given to intermediate compounds according to one or more of Claims 15-19 in which

R¹ denotes NO₂ or CN,

R² denotes H, Hal or A',

 R^3 denotes H, A' or $-[C(R^5)_2]_n$ -Ar,

Ar denotes phenyl,

R⁵ denotes H or A',

A' denotes unbranched or branched alkyl having 1-6 C atoms,

Hal denotes F, Cl, Br or I,

n denotes 0, 1 or 2,

m denotes 0, 1 or 2,

and salts thereof.

Particular preference is given to intermediate compounds in which

R¹ denotes NO₂,

R² denotes H, Hal or A',

 R^3 denotes H, A' or $-[C(R^5)_2]_n$ -Ar,

Ar denotes phenyl,

R⁵ denotes H or A',

A' denotes unbranched or branched alkyl having 1-6 C atoms,

Hal denotes F, Cl, Br or I,

n denotes 0, 1 or 2,

m denotes 0, 1 or 2,

and salts thereof.

The invention also relates to a process for the preparation of intermediate compounds of the formula III

$$X \stackrel{H}{\longrightarrow} O \stackrel{CI}{\longrightarrow} III$$

in which

$$X$$
 denotes $(R^2)_m$,

- R¹ denotes NO₂, CN, COOR³, CON(R³)₂, COR³, SO₂R⁴, SO₂N(R³)₂, CF₃, F or CI,
- $\begin{array}{lll} & \text{denotes H, Hal, A, OR}^3, \, N(R^3)_2, \, NO_2, \, CN, \, COOR^3, \, CON(R^3)_2, \, NR^3COA, \\ & NR^3CON(R^3)_2, \, NR^3COOR^3, \, NR^3SO_2A, \, -[C(R^5)_2]_n-Ar, \, -[C(R^5)_2]_n-Het, \\ & -[C(R^5)_2]_n-cycloalkyl, \, COR^3, \, SO_2N(R^3)_2 \, \, \text{or } SO_2R^4, \end{array}$
- R^3 denotes H, A, $-[C(R^5)_2]_n$ -Ar or $-[C(R^5)_2]_n$ -Het,
- R^4 denotes A, $-[C(R^5)_2]_n$ -Ar or $-[C(R^5)_2]_n$ -Het,
- R⁵ denotes H or A',
- Ar denotes phenyl which is unsubstituted or mono-, di- or trisubstituted by Hal, A, OR⁵, N(R⁵)₂, NO₂, CN, COOR⁵, CON(R⁵)₂, NR⁵COA, NR⁵SO₂A, COR⁵, SO₂N(R⁵)₂ or S(O)_nA,
- Het denotes a mono- or bicyclic saturated, unsaturated or aromatic heterocycle having 1 to 4 N, O and/or S atoms which is unsubstituted or mono- or disubstituted by Hal, A, OR⁵, N(R⁵)₂, NO₂, CN, COOR⁵, CON(R⁵)₂, NR⁵COA, NR⁵SO₂A, COR⁵, SO₂N(R⁵)₂, S(O)_nA and/or carbonyl oxygen (=O),
- A' denotes unbranched or branched alkyl having 1-6 C atoms,
- A denotes unbranched, branched or cyclic eylic alkyl having 1-12 C

atoms, in which one or two CH₂ groups may be replaced by O or S atoms and/or by -CH=CH- groups and/or in addition 1-7 H atoms may be replaced by F,

Hal denotes F, Cl, Br or I,

n denotes 0, 1 or 2,

m denotes 0, 1, 2, 3 or 4,

and salts thereof, characterised in that

a) a compound of the formula II

in which

X has the meaning indicated above,

is reacted with 5-chloro-2,3-dihydro-1,4-dioxin

and

the compound of the formula III is optionally converted into its salt.

The conditions of the process, in particular the preferred ones, are the same as indicated under the process for the preparation of the compound of the formula I.

The preferred meanings of the radicals correspond to those as indicated above, unless expressly stated otherwise.

Preference is given to a process for the preparation of intermediate compounds of the formula III

in which

R¹ denotes NO₂ or CN,

denotes H, Hal, A, OR³, N(R³)₂, NO₂, CN, COOR³, CON(R³)₂, NR³COA, NR³CON(R³)₂, NR³COOR³, NR³SO₂A, $-[C(R^5)_2]_n-Ar, -[C(R^5)_2]_n-Het, -[C(R^5)_2]_n-cycloalkyl, COR³, SO₂N(R³)₂ or SO₂R⁴,$

 R^3 denotes H, A, $-[C(R^5)_2]_n$ -Ar or $-[C(R^5)_2]_n$ -Het,

 R^4 denotes A, $-[C(R^5)_2]_n$ -Ar or $-[C(R^5)_2]_n$ -Het,

R⁵ denotes H or A',

Ar denotes phenyl which is unsubstituted or mono-, di- or trisubstituted by Hal, A, OR⁵, N(R⁵)₂, NO₂, CN, COOR⁵, CON(R⁵)₂, NR⁵COA, NR⁵SO₂A, COR⁵, SO₂N(R⁵)₂ or S(O)_nA,

Het denotes a mono- or bicyclic saturated, unsaturated or aromatic heterocycle having 1 to 4 N, O and/or S atoms which is unsubstituted or mono- or disubstituted by Hal, A, OR⁵, N(R⁵)₂, NO₂, CN, COOR⁵, CON(R⁵)₂, NR⁵COA, NR⁵SO₂A, COR⁵, SO₂N(R⁵)₂, S(O)_nA and/or carbonyl oxygen (=O),

A' denotes unbranched or branched alkyl having 1-6 C atoms,

A denotes unbranched, branched or <u>cyclic</u> eylie alkyl having 1-12 C atoms, in which one or two CH₂ groups may be replaced by O or S atoms and/or A denotes unbranched, branched or <u>cyclic</u> eylie alkyl having 1-12 C atoms, in which one or two CH₂ groups may be replaced by O or S atoms and/or by -CH=CH- groups and/or in addition 1-7 H atoms may be replaced by F,

Hal denotes F, Cl, Br or I,

n denotes 0, 1 or 2,

m denotes 0, 1, 2, 3 or 4,

and salts thereof.

The intermediate compounds are important for the preparation of the compounds of the formula I.

The preferred meanings of the radicals correspond to those as indicated above, unless expressly stated otherwise.

The invention also relates to the intermediate compounds according to Claim 15 in which

R¹ denotes NO₂ or CN,

R² denotes H, Hal or A,

and salts thereof.

Preference is furthermore given to intermediate compounds according to Claim 15 in which

R¹ denotes NO₂ or CN,

R² denotes H, Hal or A,

 R^3 denotes H, A, $-[C(R^5)_2]_n$ -Ar or $-[C(R^5)_2]_n$ -Het,

and salts thereof.

Preference is furthermore given to intermediate compounds according to Claim 15, 16 or 17 in which

Ar denotes phenyl,

and salts thereof.

Preference is furthermore given to intermediate compounds according to one or more of Claims 15-18 in which

R⁴ denotes A,

and salts thereof.

Particular preference is given to intermediate compounds according to one or more of Claims 15-19 in which

R¹ denotes NO₂ or CN,

R² denotes H, Hal or A',

 R^3 denotes H, A' or $-[C(R^5)_2]_n$ -Ar,

Ar denotes phenyl,

R⁵ denotes H or A',

A' denotes unbranched or branched alkyl having 1-6 C atoms,

Hal denotes F, Cl, Br or I,

n denotes 0, 1 or 2,

m denotes 0, 1 or 2,

and salts thereof.

Particular preference is given to intermediate compounds according to Claim 20 in which

R¹ denotes NO₂,

R² denotes H, Hal or A',

 R^3 denotes H, A' or $-[C(R^5)_2]_n$ -Ar,

Ar denotes phenyl,

R⁵ denotes H or A',

A' denotes unbranched or branched alkyl having 1-6 C atoms,

Hal denotes F, Cl, Br or I,

n denotes 0, 1 or 2,

m denotes 0, 1 or 2,

and salts thereof.

The invention also relates to a process for the preparation of intermediate compounds of the formula III

$$X \xrightarrow{H} O \bigcirc CI$$

in which

X denotes $(R^2)_m$

R¹ denotes NO₂, CN, COOR³, CON(R³)₂, COR³, SO₂R⁴, SO₂N(R³)₂, CF₃, F or CI,

 $\begin{array}{lll} & \text{denotes H, Hal, A, OR}^3, \, N(R^3)_2, \, NO_2, \, CN, \, COOR^3, \, CON(R^3)_2, \, NR^3COA, \\ & NR^3CON(R^3)_2, \, NR^3COOR^3, \, NR^3SO_2A, \, -[C(R^5)_2]_n-Ar, \, -[C(R^5)_2]_n-Het, \\ & -[C(R^5)_2]_n-cycloalkyl, \, COR^3, \, SO_2N(R^3)_2 \, \, \text{or } SO_2R^4, \end{array}$

 R^3 denotes H, A, $-[C(R^5)_2]_n$ -Ar or $-[C(R^5)_2]_n$ -Het,

 R^4 denotes A, $-[C(R^5)_2]_n$ -Ar or $-[C(R^5)_2]_n$ -Het,

R⁵ denotes H or A',

Ar denotes phenyl which is unsubstituted or mono-, di- or trisubstituted by Hal, A, OR⁵, N(R⁵)₂, NO₂, CN, COOR⁵, CON(R⁵)₂, NR⁵COA, NR⁵SO₂A, COR⁵, SO₂N(R⁵)₂ or S(O)_nA,

denotes a mono- or bicyclic saturated, unsaturated or aromatic heterocycle having 1 to 4 N, O and/or S atoms which is unsubstituted or mono- or disubstituted by Hal, A, OR⁵, N(R⁵)₂, NO₂, CN, COOR⁵, CON(R⁵)₂, NR⁵COA, NR⁵SO₂A, COR⁵, SO₂N(R⁵)₂, S(O)_nA and/or carbonyl oxygen (=O),

A' denotes unbranched or branched alkyl having 1-6 C atoms,

A denotes unbranched, branched or cyclic eylic alkyl having 1-12 C atoms, in which one or two CH₂ groups may be replaced by O or S atoms and/or by -CH=CH- groups and/or in addition 1-7 H atoms may be replaced by F,

Hal denotes F, Cl, Br or I,

n denotes 0, 1 or 2,

m denotes 0, 1, 2, 3 or 4,

and salts thereof, characterised in that

a) a compound of the formula II

X-NH₂ II

in which

X has the meaning indicated above,

is reacted with 5-chloro-2,3-dihydro-1,4-dioxin

and

the compound of the formula III is optionally converted into its salt.

The conditions of the process, in particular the preferred ones, are the same as indicated under the process for the preparation of the compound of the formula I.

The preferred meanings of the radicals correspond to those as indicated above, unless expressly stated otherwise.

Preference is given to a process according to Claim 22 for the preparation of intermediate compounds of the formula III

in which

R¹ denotes NO₂ or CN,

denotes H, Hal, A, OR³, N(R³)₂, NO₂, CN, COOR³, CON(R³)₂, NR³COA, NR³CON(R³)₂, NR³COOR³, NR³SO₂A, $-[C(R^5)_2]_n-Ar, -[C(R^5)_2]_n-Het, -[C(R^5)_2]_n-cycloalkyl, COR³, SO₂N(R³)₂ or SO₂R⁴,$

 R^3 denotes H, A, $-[C(R^5)_2]_n$ -Ar or $-[C(R^5)_2]_n$ -Het,

 R^4 denotes A, $-[C(R^5)_2]_n$ -Ar or $-[C(R^5)_2]_n$ -Het,

R⁵ denotes H or A',

Ar denotes phenyl which is unsubstituted or mono-, di- or trisubstituted by Hal, A, OR⁵, N(R⁵)₂, NO₂, CN, COOR⁵, CON(R⁵)₂, NR⁵COA, NR⁵SO₂A, COR⁵, SO₂N(R⁵)₂ or S(O)_nA,

Het denotes a mono- or bicyclic saturated, unsaturated or aromatic heterocycle having 1 to 4 N, O and/or S atoms which is unsubstituted or mono- or disubstituted by Hal, A, OR⁵, N(R⁵)₂, NO₂, CN, COOR⁵, CON(R⁵)₂, NR⁵COA, NR⁵SO₂A, COR⁵, SO₂N(R⁵)₂, S(O)_nA and/or carbonyl oxygen (=O),

A' denotes unbranched or branched alkyl having 1-6 C atoms,

A denotes unbranched, branched or <u>cyclic</u> eylie alkyl having 1-12 C atoms, in which one or two CH₂ groups may be replaced by O or S atoms and/or by -CH=CH- groups and/or in addition 1-7 H atoms may be replaced by F,

Hal denotes F, Cl, Br or I,

n denotes 0, 1 or 2,

m denotes 0, 1, 2, 3 or 4.

Preference is furthermore given to a process according to Claim 23 for the preparation of intermediate compounds of the formula III in which

R¹ denotes NO₂ or CN,

R² denotes H, Hal or A.

Preference is furthermore given to a process according to Claim 23 for the preparation of intermediate compounds of the formula III in which

R¹ denotes NO₂ or CN,

R² denotes H, Hal or A,

 R^3 denotes H, A, $-[C(R^5)_2]_n$ -Ar or $-[C(R^5)_2]_n$ -Het.

Preference is furthermore given to a process according to Claim 23 for the preparation of intermediate compounds of the formula III in which

Ar denotes phenyl.

Preference is also given to a process according to Claim 23 for the preparation of intermediate compounds of the formula III in which

R⁴ denotes A.

Particular preference is given to a process according to Claim 23 for the preparation of intermediate compounds of the formula III in which

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R<sup>1</sup> denotes NO<sub>2</sub> or CN,
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R² denotes H, Hal or A',

 R^3 denotes H, A' or $-[C(R^5)_2]_n$ -Ar,

Ar denotes phenyl,

R⁵ denotes H or A',

A' denotes unbranched or branched alkyl having 1-6 C atoms,

Hal denotes F, Cl, Br or I,

n denotes 0, 1 or 2,

m denotes 0, 1 or 2.

Above and below, all temperatures are indicated in $\,^{\circ}\!\!\mathrm{C}.$

Mass spectrometry (MS): El (electron impact ionisation) M⁺;

ESI (electrospray ionisation) (M+H)+;

FAB (fast atom bombardment) (M+H)⁺

Example 1

4-(4-Nitrophenyl)-3-oxomorpholine

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